

Sequence Listing

<110> Kenji SHIBATA
Motoo YAMASAKI
Tetsuo YOSHIDA
Tamio MIZUKAMI
Akeo SHINKAI
Hideharu ANAZAWA

<120> Peptides having a cyclic structure and restoring the activities of P53 protein to mutant P53 protein

<130> 2139.15

<140> 09/423,545

<141> 1999-11-12

<150> PCT/JP98/02148

<151> 1998-5-15

<150> JP97/126113

<151> 1997-05-15

<160> 32

<210> 1

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide

<400> 1

Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15

<210> 2

<211> 13

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<213> Artificial Sequence

<220>

<223> Synthetic peptide

<400> 2

Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys
1 5 10

<210> 3
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<220>
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<400> 3
 Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys
 1 5 10

<210> 4
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<400> 4
 Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
 1 5 10 15
 Cys

<210> 5
 <211> 15
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 <222> (1)..(15)
 <223> BINDING type is -CONH2-.

<220>
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 1 5 10 15

<210> 6
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<220>
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 <222> (17)
 <223> Xaa represents L-Cysteine amide

<220>
 <223> Synthetic peptide

<400> 6
 Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
 1 5 10 15
 Xaa

<210> 7
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<220>
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 <223> Xaa represents N-Acetyl-L-cysteine

<220>
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 <222> (17)
 <223> Xaa represents L-Cysteine amide

<220>
 <223> Synthetic peptide

<400> 7
 Xaa Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
 1 5 10 15
 Xaa

<210> 8
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 <212> DNA

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<223> Other nucleic acid Synthetic DNA

<400> 8

ctagacagcc agactgcctt ccgggtcact gc 32

<210> 9

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Other nucleic acid Synthetic DNA

<400> 9

catggcagtg acccggaagg cagtctgggt gt 32

<210> 10

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Other nucleic acid Synthetic DNA

<400> 10

tcgagagaca tgcctagaca tgcctg 26

<210> 11

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Other nucleic acid Synthetic DNA

<400> 11

tcgacaggca tgtctaggca tgtctc 26

<210> 12

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Other nucleic acid Synthetic DNA

<400> 12

tcgagcccgg gggtagcgca tg 22

<210> 13
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<400> 13
 cggtagccccc gggc 14

<210> 14
 <211> 32
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<400> 14
 tcgagggact tgcctggact tgcctgtcga cg 32

<210> 15
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<220>
 <223> Other nucleic acid Synthetic DNA

<400> 15
 gtaccgtcga caggcaagtc caggcaagtc cc 32

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<220>
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 <222> (1)..(17)

<220>
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 <222> (18)
 <223> Xaa represents 12-Dodecanamide

<220>
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<400> 16

Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
 1 5 10 15
 Cys Xaa

<210> 17

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

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<222> (1)..(17)

<220>

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<222> (17)

<223> Xaa represents N-Dodecyl-L-cysteine amide

<220>

<223> Synthetic peptide

<400> 17

Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
 1 5 10 15
 Xaa

<210> 18

<211> 17

<212> PRT

<213> Artificial Sequence

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<223> Xaa represents N-Octadecyl-L-cysteine amide

<220>

<223> Synthetic peptide

<400> 18

Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
 1 5 10 15
 Xaa

<210> 19
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 <222> (14)
 <223> Xaa represents NfÄ-Acetyl-L-lysine

<220>
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<400> 19
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 1 5 10 15
 Cys

<210> 20
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<220>
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 <222> (1)
 <223> Xaa represents L-Cysteine.

<220>
 <221> SITE
 <222> (17)
 <223> Xaa represents L-Cysteine amide.

<220>
 <223> Synthetic peptide

<400> 20
 Xaa Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
 1 5 10 15
 Xaa

<210> 21
 <211> 16
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<220>
 <221> BINDING
 <222> (1)..(16)
 <223> BINDING type is -CONH2- between -NH2(fÅ) in Lys and -COOH in Leu.

<220>
 <223> Synthetic peptide

<400> 21
 Lys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
 1 5 10 15

<210> 22
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <221> DISULFID
 <222> (1)..(8)

<220>
 <221> SITE
 <222> (16)
 <223> Xaa represents L-Leucine amide.

<220>
 <223> Synthetic peptide

<400> 22
 Cys Leu Lys Ser Lys Lys Gly Cys Ser Thr Ser Arg His Lys Lys Xaa
 1 5 10 15

<210> 23
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <221> BINDING
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 <223> BINDING type is -CONH2- between -NH2(fÅ) in Lys and -COOH in Asp.

<220>
 <221> SITE
 <222> (16)
 <223> Xaa represents L-Leucine amide.

<220>
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<400> 23
 Lys Leu Lys Ser Lys Lys Gly Asp Ser Thr Ser Arg His Lys Lys Xaa
 1 5 10 15

<210> 24
 <211> 15
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 <222> (7)..(13)
 <223> BINDING type is -CONH2-.

<220>
 <221> SITE
 <222> (15)
 <223> Xaa represents L-Leucine amide.

<220>
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<400> 24
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 1 5 10 15

<210> 25
 <211> 16
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<400> 25
 Cys Leu Lys Ser Lys Lys Gln Ser Thr Ser Arg His Lys Lys Leu Cys
 1 5 10 15

<210> 26

<211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <221> BINDING
 <222> (1)..(16)
 <223> BINDING type is -CH₂S-.

<220>
 <221> SITE
 <222> (1)
 <223> Xaa represents N-Methylenecarbonyl-L-leucine whose methylene bonds to S in Cysteine amide.

<220>
 <221> SITE
 <222> (16)
 <223> Xaa represents Cysteine amide whose S bonds to methylene in N-Methylenecarbonyl-L-leucine.

<220>
 <223> Synthetic peptide

<400> 26
 Xaa Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu Xaa
 1 5 10 15

<210> 27
 <211> 17
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 <213> Artificial Sequence

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 <223> BINDING type is -S-(o-xylylene)-S-.

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 <223> Xaa represents L-Cysteine.

<220>
 <221> SITE
 <222> (17)
 <223> Xaa represents L-Cysteine amide.

<220>
 <223> Synthetic peptide

<400> 27

Xaa Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
 1 5 10 15
 Xaa

<210> 28

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<221> DISULFID

<222> (3)..(16)

<220>

<221> SITE

<222> (16)

<223> Xaa represents L-Cysteine amide.

<220>

<223> Synthetic peptide

<400> 28

Leu Lys Cys Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu Xaa
 1 5 10 15

<210> 29

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<221> DISULFID

<222> (1)..(11)

<220>

<221> SITE

<222> (16)

<223> Xaa represents L-Leucine amide.

<220>

<223> Synthetic peptide

<400> 29

Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Cys Arg His Lys Lys Xaa
 1 5 10 15

<210> 30

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<221> DISULFID

<222> (3)..(10)

<220>

<221> SITE

<222> (15)

<223> Xaa represents L-Leucine amide.

<220>

<223> Synthetic peptide

<400> 30

Leu	Lys	Cys	Lys	Lys	Gly	Gln	Ser	Thr	Cys	Arg	His	Lys	Lys	Xaa
1				5					10					15

<210> 31

<211> 18

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<213> Artificial Sequence

<220>

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<222> (1)..(17)

<220>

<221> SITE

<222> (18)

<223> Xaa represents L-Glycine n-butyl amide.

<220>

<223> Synthetic peptide

<400> 31

Cys	Leu	Lys	Ser	Lys	Lys	Gly	Gln	Ser	Thr	Ser	Arg	His	Lys	Lys	Leu
1				5					10					15	

Cys Xaa

<210> 32

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<221> BINDING

<222> (3)..(13)

<223> BINDING type is -CONH2- between -COOH (fÅ) in Asp and -NH2 (fÅ) in Lys

<220>
<221> SITE
<222> (15)
<223> Xaa represents L-Leucine amide.

<220>
<223> Synthetic peptide

<400> 32
Leu Lys Asp Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Xaa
1 5 10 15